

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/15505

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B25J9/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B25J1/00-21/02, B23Q1/00-1/76, F16H19/00-37/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 11-287303 A (Seishiro MUNEHIRA), 19 October, 1999 (19.10.99), Par. Nos. [0008] to [0011]; Figs. 1, 4 (Family: none)	1, 5 2-4, 6-8
Y	JP 61-61789 A (Matsushita Electric Industrial Co., Ltd.), 29 March, 1986 (29.03.86), Page 1, lower right column, lines 1 to 4 (Family: none)	2, 3, 6, 8
Y	JP 8-174305 A (NTN Corp.), 09 July, 1996 (09.07.96), Par. No. [0004] (Family: none)	3

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search
12 April, 2004 (12.04.04)

Date of mailing of the international search report
27 April, 2004 (27.04.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-226062 A (Seishiro YOSHIHARA), 24 August, 1999 (24.08.99), Par. No. [0007]; Fig. 1 (Family: none)	4, 6, 8
Y	EP 997239 A2 (FANUC LTD.), 03 May, 2000 (03.05.00), Full text; all drawings & JP 2000-126954 A	7, 8
E, X	JP 2004-9276 A (NTN Corp.), 15 January, 2004 (15.01.04), Full text; all drawings (Family: none)	1-8
A	JP 10-138177 A (Director General, Agency of Industrial Science and Technology), 26 May, 1998 (26.05.98), Full text; all drawings (Family: none)	1-8

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